

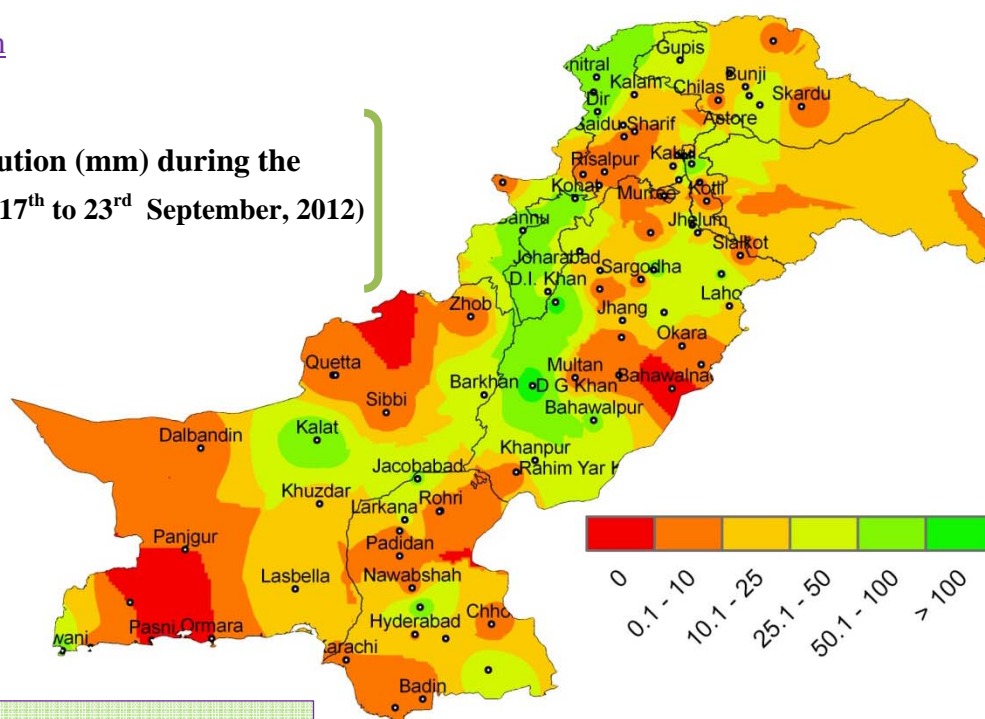
Weekly Weather and Crop Bulletin for Pakistan

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**Rainfall distribution (mm) during the
last week (from 17th to 23rd September, 2012)**



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Highlights of Past Weather (17th to 23rd September, 2012):

Summer monsoon have produced more rains in the upper half of the country. Due to which light to moderate rainfall reported from most of the agricultural plains of Punjab, Khyberpakhtunkhwa, Gilgit Baltistan and Kashmir region during the past week. While dry weather observed in rest of country including Sindh and Balochistan provinces.

Chief Editor: Dr. Khalid Mehmood Malik (Director, NAMC)

Editor: Dildar Hussain Kazmi (Meteorologist)

Punjab

Light to moderate rainfall reported from most of the agricultural plains in Punjab during the week. Weekly maximum temperature and minimum temperature recorded as 33.0°C & 22.3°C respectively. For the present season on average 157.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 73 % and wind speed in the morning/evening recorded as 0.9/2.0 Knots. During the previous week highest rainfall recorded at Islamabad as 126 mm while the extreme maximum temperature recorded at Rahim Yar Khan as 38.2°C.

Sindh

Dry weather reported from most of the agricultural plains in Sindh during the week but 1mm rainfall reported from a single location in the coastal areas "Mithi". Weekly maximum temperature and minimum temperature recorded as 35.0°C & 24.8°C respectively. For the present season on average 179.7 growing degree days accumulated by the end of last week. Average relative humidity recorded as 71 % and wind speed in the morning/evening recorded as 2.6/3.6 Knots. During the previous week the extreme maximum temperature recorded at Nawabshah as 40.2°C.

Khyber Pakhtoon Khawa (KP)

Light to moderate rainfall reported from most of the agricultural plains of the province during the week. Weekly maximum temperature and minimum temperature recorded as 27.8°C & 14.8°C respectively. For the present season on average 120.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 67 % and wind speed in the morning/evening recorded as 1.1/2.1 Knots. During the previous week the highest rainfall recorded at Balakot & Cherat as 75.0 mm and the extreme maximum temperature recorded at Kohat & Bannu as 35.0°C.

Balochistan

Dry weather reported from most of the agricultural plain of the province during the last week. Weekly maximum temperature and minimum temperature recorded as 32.9°C & 18.3 °C respectively. For the present season on average 157.5 growing degree days accumulated by the end of last week. Average relative humidity recorded as 44 % and wind speed in the morning/evening recorded as 2.1/7.5 Knots. During the previous week the extreme maximum temperature recorded at Turbat as 42.0°C.

Gilgit Baltistan and Azad Jammu & Kashmir

Light to moderate rainfall reported from most of the agricultural plains of the specified region especially from Kashmir. Weekly maximum temperature and minimum temperature recorded as 25.7°C & 13.2°C respectively. For the present season on average 100.4 growing degree days accumulated by the end of last week. Average relative humidity recorded as 66 % and wind speed in the morning/evening recorded as 0.5/1.1 Knots. During the previous week the highest rainfall recorded at Rawalakot as 140.0 mm and the extreme maximum temperature recorded at Muzaffarabad as 34.0°C.

Past Weather for Major Agricultural Plains (from 17th to 23rd September, 2012)

Rawalpindi (Potohar region)

Rainfall reported as 6.0 mm during the last week, cloudiness recorded in the morning/evening as 1/2 oktas and average relative humidity 74%. Mean day temperature recorded as 31.0°C & for the present season 141.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2/6 Km/h.

Tandojam (Lower Sindh)

No rainfall reported during the last week however cloudiness recorded in the morning/evening as 1/0 oktas and average relative humidity 72%. Mean day temperature recorded as 35.3°C & for the present season 174.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 7.1/7.7 Km/h.

Faisalabad (Central Punjab)

Rainfall reported as 9.0 mm during the last week, cloudiness recorded in the morning/evening as 1.7/1.6 oktas and average relative humidity 68%. Mean day temperature recorded as 33.1°C & for the present season 159.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.2/2.5 Km/h.

Quetta (Northern Balochistan)

Dry weather with clear skies reported during the last week and average relative humidity observed as 26 %. Mean day temperature recorded as 27.2°C & for the present season 86.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.9/6.1 Km/h.

Usta Muhammad (Eastern Balochistan)

Due to heavy showers during some days earlier water is still standing in the area and no data observed.

Past Weather for sub regional Agri-cultural Plains (from 17th to 23rd September, 2012)

Rohri

No rainfall reported during the last week however cloudiness recorded in the morning/evening as 1.6/3.0 oktas and average relative humidity 81%. Mean day temperature recorded as 36.1°C & for the present season 185.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/3.6 Knots.

Skardu

Rainfall reported as 12.2 mm during the last week, cloudiness recorded in the morning/evening as 4.3/5.7 oktas and average relative humidity 59%. Mean day temperature recorded as 21.0°C & for the present season 67.2 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.8 Knots.

Multan

Rainfall reported as 2.1 mm during the last week, cloudiness recorded in the morning/evening as 1.6/0.6 oktas and average relative humidity 66%. Mean day temperature recorded as 34.3°C & for the present season 171.3 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 3.4/4.0 Knots.

Lahore

Rainfall reported as 123.0 mm during the last week, cloudiness recorded in the morning/evening as 1.9/2.0 oktas and average relative humidity 74%. Mean day temperature recorded as 32.2°C & for the present season 156.1 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/2.0 Knots.

Malam Jabba

Rainfall reported as 50.0 mm during the last week, cloudiness recorded in the morning/evening as 2.3/3.4 oktas and average relative humidity 65%. Mean day temperature recorded as 19.0°C & for the present season 61.9 growing degree days accumulated by the end of last week. Wind speed

recorded in the morning/evening as Calm (no wind).

Gilgit.

Rainfall reported as 15.2 mm during the last week, cloudiness recorded in the morning/evening as 4.1/6.3 oktas and average relative humidity 60%. Mean day temperature recorded as 25.8°C & for the present season 101.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/3.0 Knots.

Jhelum

Rainfall reported as 10.1 mm during the last week, cloudiness recorded in the morning/evening as 2.0/3.0 oktas and average relative humidity 77%. Mean day temperature recorded as 33.1°C & for the present season 160.6 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.3/1.2 Knots.

D.I. Khan

Rainfall reported as 34.0 mm during the last week, cloudiness recorded in the morning/evening as 0/1.2 oktas and average relative humidity 72%. Mean day temperature recorded as 33.1°C & for the present season 156.0 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0/1.2 Knots.

Peshawar

Rainfall reported as 2.0 mm during the last week, cloudiness recorded in the morning/evening as 0/2.7 oktas and average relative humidity 77%. Mean day temperature recorded as 31.2°C & for the present season 148.5 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 2.7/0.7 Knots.

Murree

Rainfall reported as 97.0 mm during the last week, cloudiness recorded in the morning/evening as 1.4/3.4 oktas and average relative humidity 74%. Mean day temperature recorded as 21.7°C & for the present season 87.8 growing degree days accumulated by the end of last week. Wind speed recorded in the morning/evening as 0.6/0.8 Knots.

Crop Situation for major agricultural plains *(based on data from Regional Agromet Centres)*

Potohar Region (Rawalpindi)

Presently only one crop (rainfed conditions) is grown in the fields as detailed below.

Maize: Good condition at Tesling stage.

Central Punjab (Faisalabad)

There are two crops (irrigated conditions) grown in the fields as detailed below.

Sugarcane: Good condition, Tillering stage completed.

Cotton: Very Good condition, Boll-Opening stage completed.

Lower Sindh (Tandojam)

Presently only one crop (irrigated conditions) is grown in the fields as detailed below.

Cotton (BT-886): Good condition, third picking in process.

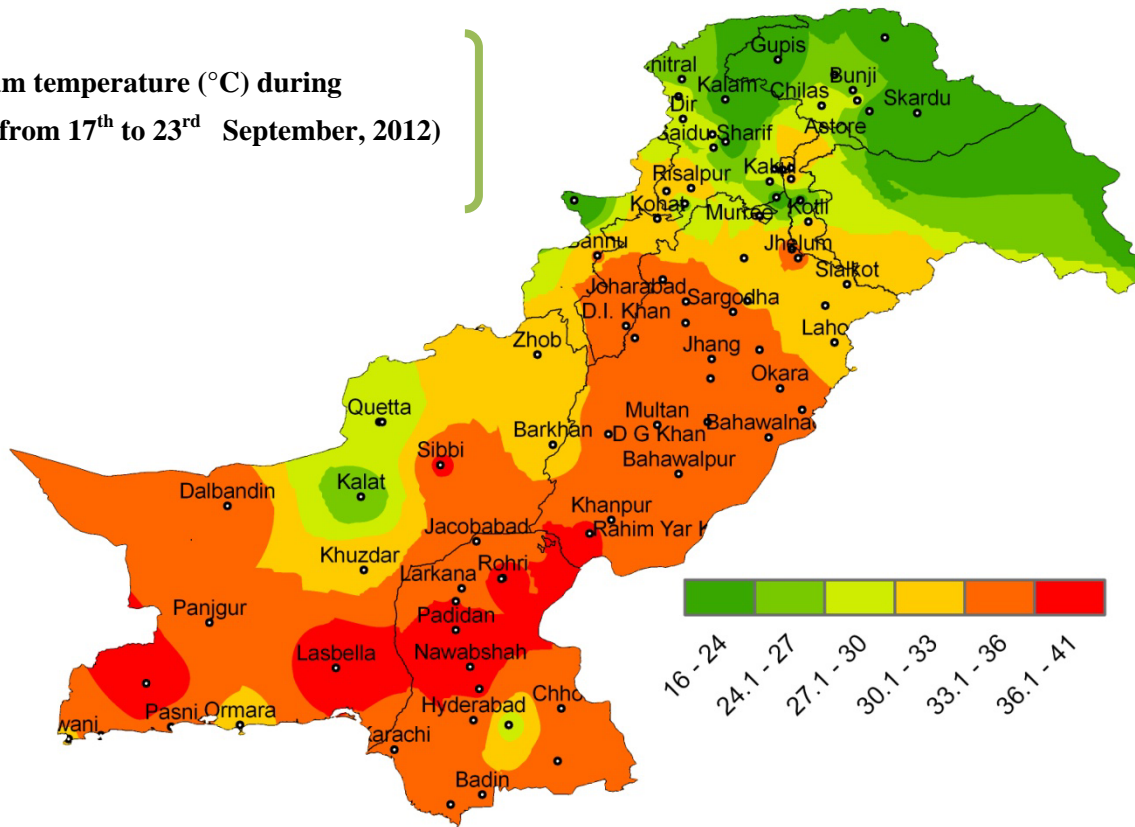
Northern Balochistan (Quetta)

Presently no crop is grown in the fields.

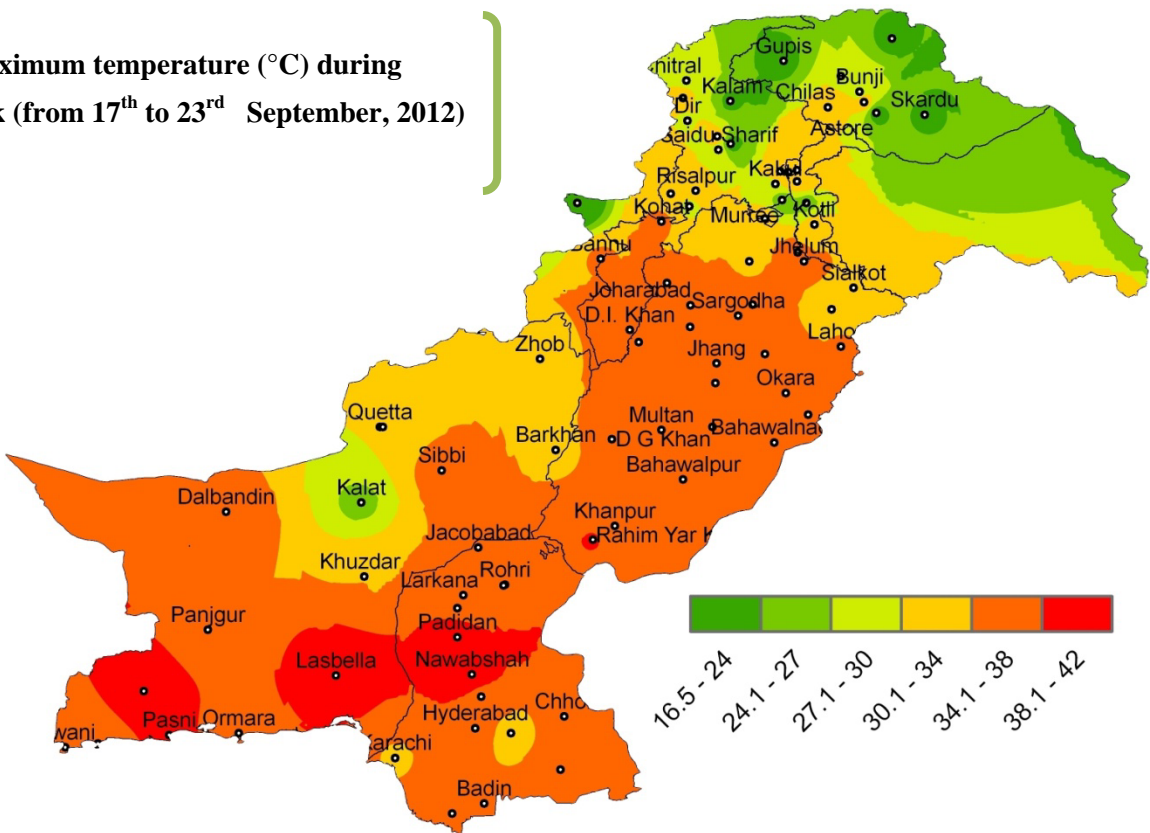
Eastern Balochistan (Usta Muhammad)

Due to heavy showers during some days earlier water is still standing in the area and no data observed.

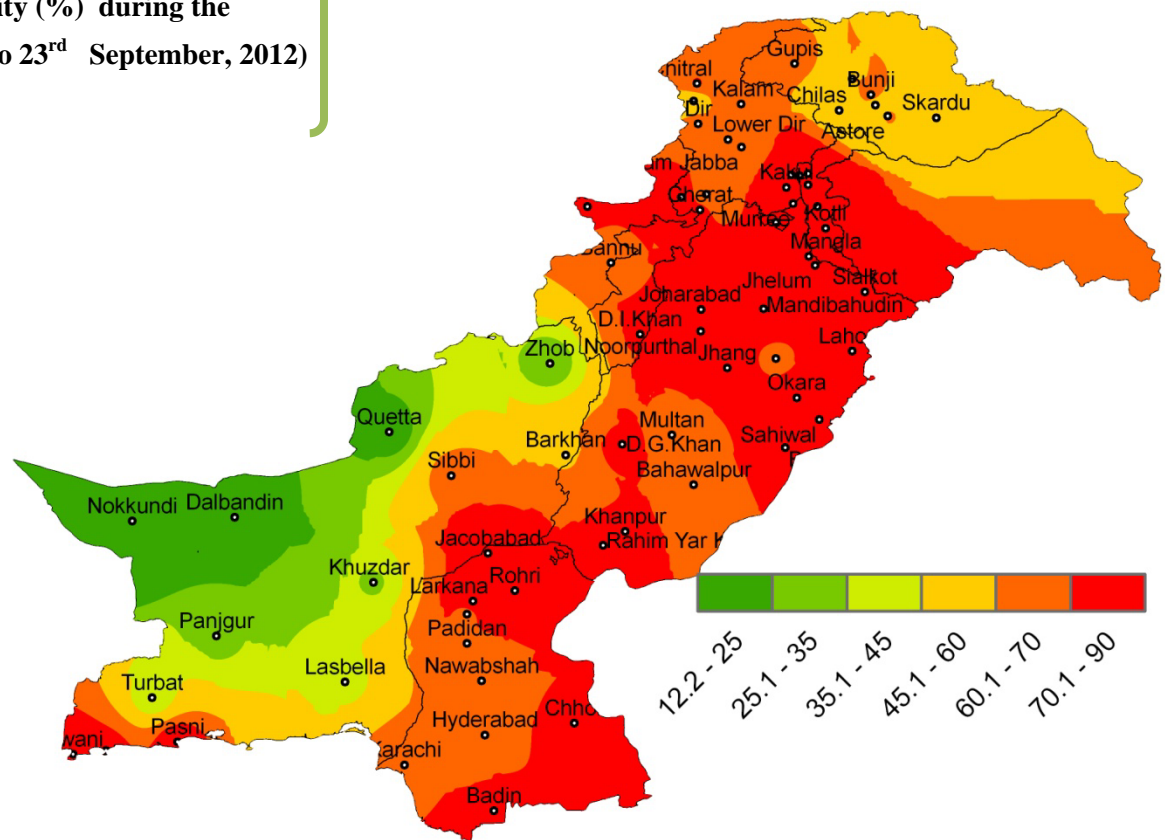
**Mean maximum temperature (°C) during
the last week (from 17th to 23rd September, 2012)**



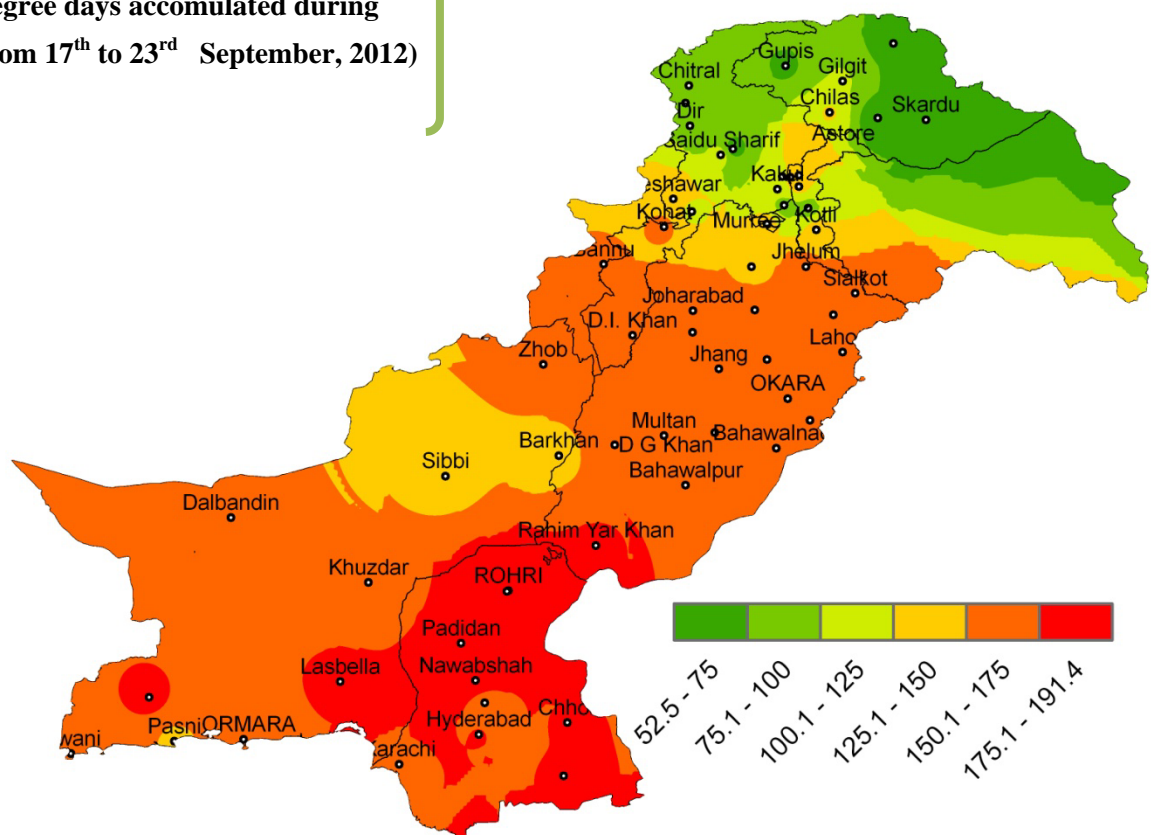
**Extreme maximum temperature (°C) during
the last week (from 17th to 23rd September, 2012)**



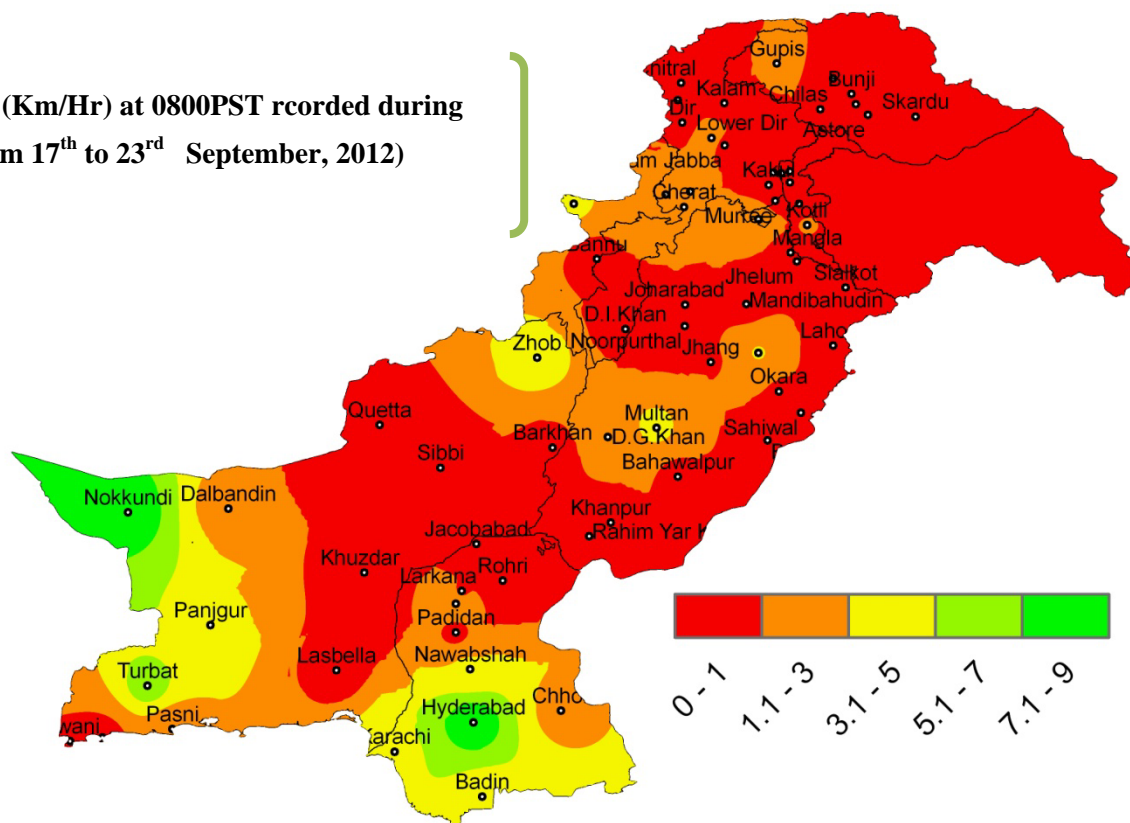
Mean relative humidity (%) during the last week (from 17th to 23rd September, 2012)



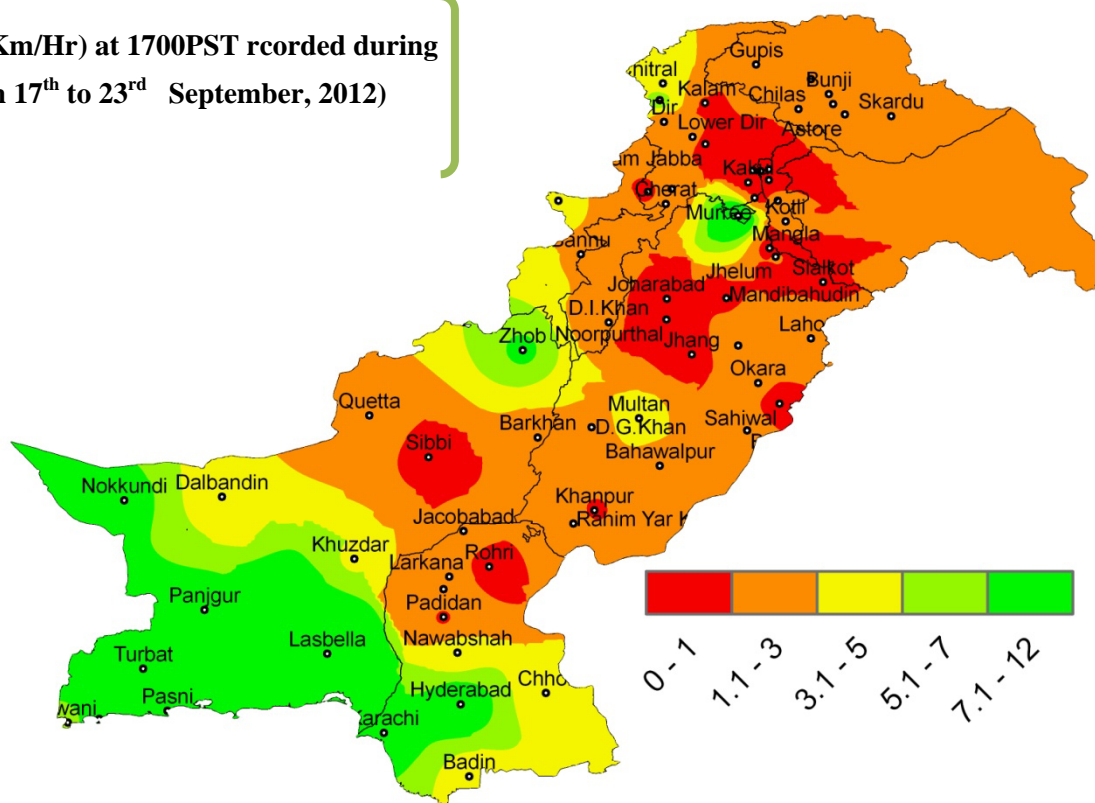
Total growing degree days accumulated during the last week (from 17th to 23rd September, 2012)



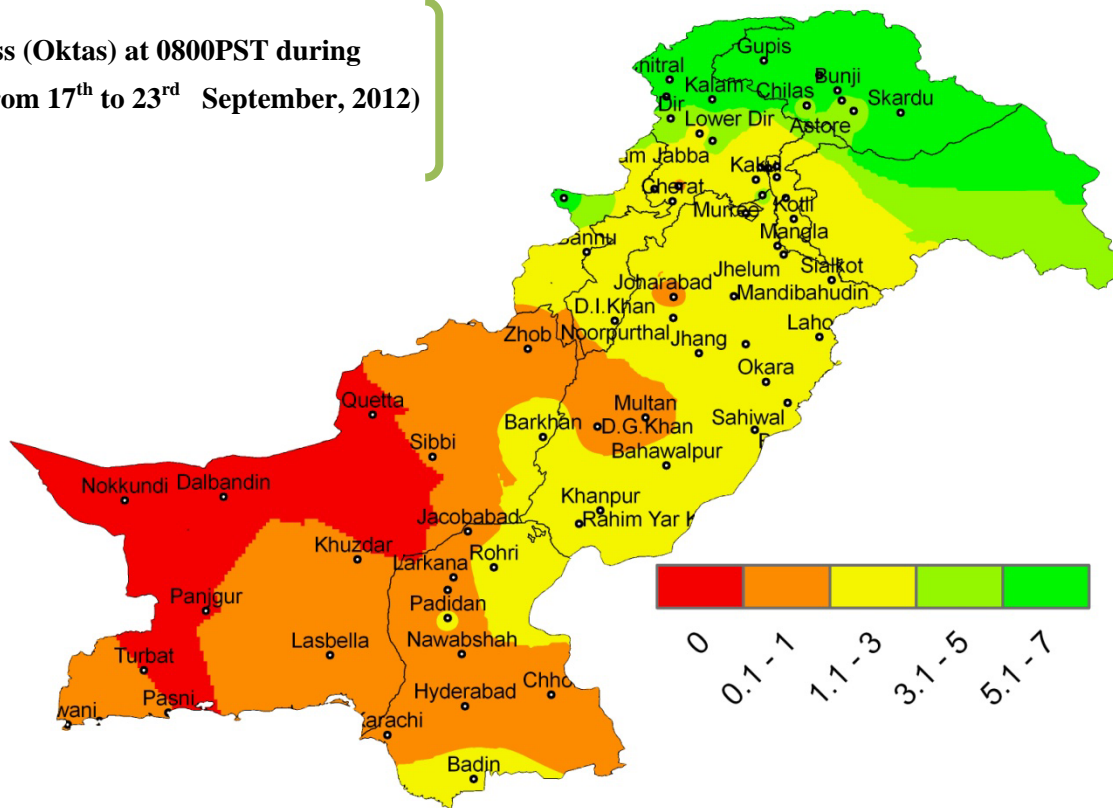
Mean wind speed (Km/Hr) at 0800PST rcoreded during
the last week (from 17th to 23rd September, 2012)



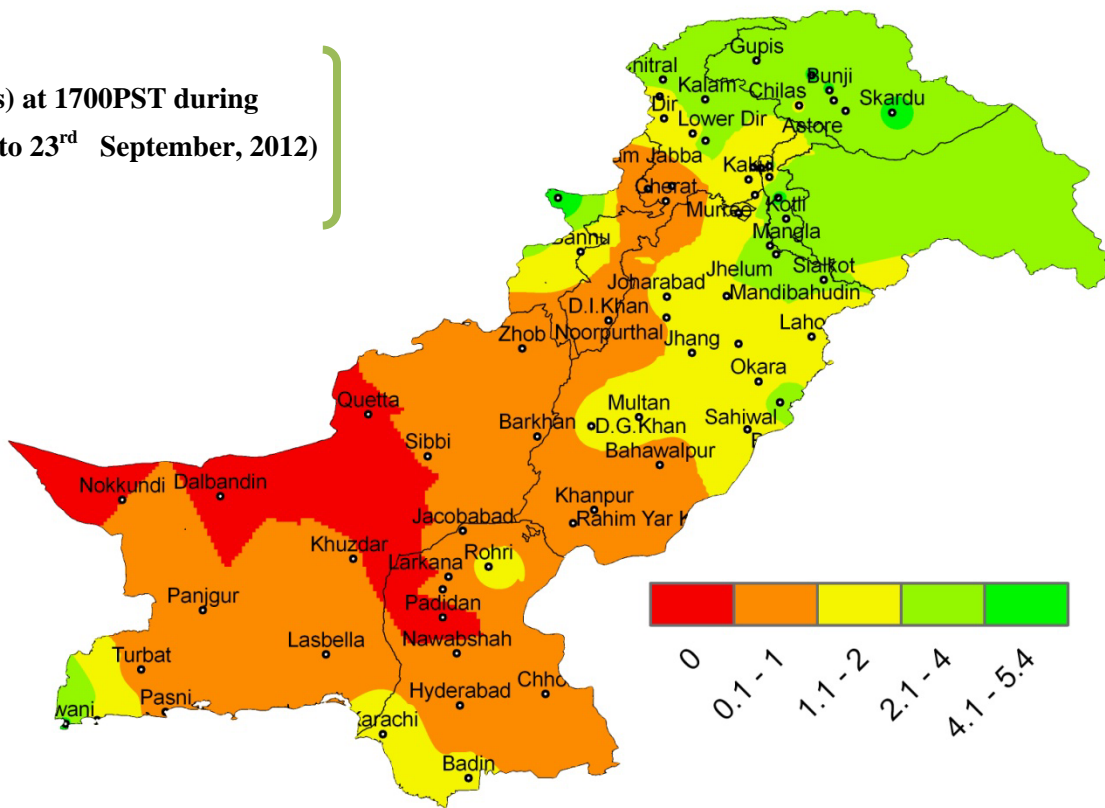
Mean wind speed (Km/Hr) at 1700PST rcoreded during
the last week (from 17th to 23rd September, 2012)



**Mean Cloudiness (Oktas) at 0800PST during
the last week (from 17th to 23rd September, 2012)**



**Mean Cloudiness (Oktas) at 1700PST during
the last week (from 17th to 23rd September, 2012)**



Weekly Weather advisory for Farmers (from 24th to 30th September, 2012)

Weak seasonal low lies over Northeast Balochistan. A fresh westerly wave is likely to approach Upper parts of the country on Friday/Saturday.

Punjab including Islamabad

Mainly dry weather is expected in most parts of the province. However rain/thunderstorm is likely at isolated places of upper Punjab on the weekend.

Khyber Pakhtunkhwa

Mainly dry weather is expected in most parts of the province. However rain/thunderstorm is likely at isolated places of upper KP on the weekend.

Baluchistan

Mainly dry weather is expected in most parts of the province during the week.

Sindh

Mainly hot and dry weather is expected in most parts of the province during the week.

Kashmir

Mainly dry weather is expected in most parts, however rain/thunderstorm is likely at isolated places of Kashmir on the weekend.

Gilgit-Baltistan

Light rain is likely at a few places of Gilgit-Baltistan on Monday/Tuesday & during the weekend. Dry weather expected during rest of the week.

Advises for Crops:

Cotton/Sugarcane: Farmers of cotton belt are advised to manage irrigation practices as per prediction of monsoon rains during the week.

General Information: Farmers of rainfed areas, obtaining crop water through tube wells are advised to schedule the irrigation according to the expected weather mentioned above during the week. It is advised to ensure field sanitation and spray prophylactic fungicidal sprays to prevent spread of diseases on vegetables, as there is forecast for light to moderate rainfall during the week. Also farmers are advised to keep control on post-harvesting losses due to pests/insects & moist monsoon season.

Precautionary Measures for Animals Care:

Farmers in the lower half of the country especially those in central regions are advised to take up poultry rearing houses to maintain optimum room temperature and take care against the rapid changes in air temperature and relative humidity.

Farmers in the coastal belt of the country are advised to vaccinate the cattle's against black quarter and other diseases.

National Weather Data of Selected Cities
(Weekly data from 17th to 23rd September, 2012)

Stations	Maximum/Day Temperature (°C)		Growing Deg. Days	Relative Humidity (%)	Rainfall (mm)	Cloudiness (Oktas) 0800PST	Cloudiness (Oktas) 1700PST	Wind Speed (Knots) 0800PST	Wind Speed (Knots) 1700PST
	Mean	Highest							
Astore	19.5	21.5	52.4	61	54.3	2.3	4.8	0.0	1.6
Badin	33.7	34.5	***	72	0.0	1.1	1.6	3.7	3.6
Bahawalnagar	34.7	36.5	171.7	74	43.0	1.7	2.6	0.0	1.6
Bahawalpur a/p	35.6	37.7	***	66	0.0	0.5	1.4	0.3	2.4
Balakot	28.8	30.6	116.6	76	75.0	1.4	1.6	0.0	0.0
Bannu	33.2	35.0	153.1	67	4.0	1.0	1.8	0.0	2.8
Barkhan	31.4	32.5	138.4	59	0.0	0.3	1.8	0.0	2.0
Bunji	25.9	27.8	***	66	25.0	4.4	6.8	0.6	1.0
Cherat	25.7	28.0	115.3	72	75.0	1.0	1.6	3.0	2.0
Chhor	34.9	36.3	175.7	74	0.0	0.5	0.6	2.0	3.6
Chillas	29.5	32.8	128.2	47	18.1	1.8	4.8	1.0	1.6
Chitral	26.4	29.6	95.7	72	24.0	2.3	6.9	0.0	3.4
D.G.Khan	34.4	36.0	173.3	74	0.1	1.1	0.6	2.6	2.4
D.I.Khan	33.1	34.6	156.0	72	34.0	0.0	1.2	0.0	1.2
Dalbandin	35.4	37.5	150.8	16	0.0	0.0	0.0	1.7	3.2
Dir	26.9	29.5	95.9	65	23.0	1.8	3.6	0.3	1.1
Drosh	28.6	31.0	96.6	48	7.0	1.7	6.5	0.0	6.5
Faisalabad	33.0	36.0	160.5	67	68.0	1.4	2.0	3.1	3.0
Garhi dopatta	30.8	34.0	132.1	70	65.0	1.7	2.4	0.0	0.0
Gawadar	33.9	35.5	***	74	0.0	1.7	0.0	0.0	12.5
Gilgit	25.8	28.5	101.6	60	15.2	4.1	6.3	0.6	3.0
Gupis	20.5	22.5	70.8	61	18.0	3.7	6.9	1.4	1.7
Hyderabad	35.8	36.5	175.2	68	0.0	0.4	0.0	8.9	9.6
Islamabad	30.6	32.5	138.5	73	126.0	1.4	2.1	2.9	13.7
Jacobabad	34.0	35.0	***	74	0.0	0.0	0.0	0.3	1.6
Jhang	33.6	36.0	160.6	74	8.0	1.1	1.6	0.9	0.0
Jhelum	33.1	35.0	160.6	77	10.1	2.0	3.0	0.3	1.2
Jiwani	32.7	34.0	171.6	78	0.0	4.1	0.4	0.9	4.8
Joharabad	34.1	36.0	169.9	75	3.0	1.2	0.8	0.7	0.8
Kakul	26.8	29.5	108.3	73	66.0	1.7	2.4	0.0	0.4
Kalam	20.2	23.0	***	70	42.0	2.7	6.2	0.0	0.8
Karachi airport	33.4	33.7	174.3	69	0.0	1.8	1.0	4.4	8.4
Khanpur	35.1	36.1	***	70	0.0	0.0	2.4	0.3	0.8
Khuzdar	32.7	34.0	150.8	34	0.0	0.0	0.0	0.0	4.8
Kotli	30.7	32.2	141.5	72	22.1	2.1	2.2	1.3	1.2
Lahore A/P	33.4	34.3	161.9	74	98.0	1.9	2.0	0.0	2.0
Larkana	34.8	35.5	***	76	0.0	0.0	0.0	0.9	1.0
Lasbela	38.4	41.5	180.8	43	0.0	0.3	0.2	0.3	19.0
Lower dir	30.3	32.5	***	61	20.0	1.7	2.3	2.7	2.0
Malam Jabba	19.0	21.0	61.9	65	50.0	2.3	3.4	0.0	0.0

Mandi-bahu-din	32.7	35.0	159.3	81	27.0	2.0	3.0	0.3	0.8
Mangla	33.5	34.7	***	***	55.1	2.3	1.8	0.0	0.0
Mirkhani	29.2	34.0	***	49	12.0	2.0	4.2	0.0	1.3
Moin-jo-daro	36.1	38.0	***	67	0.0	0.0	0.0	2.0	2.5
Multan	34.3	36.2	171.3	66	2.1	1.6	0.6	3.4	4.0
Murree	21.7	24.2	87.8	74	97.0	1.4	3.4	0.6	0.8
Muzaffarabad	31.0	34.0	135.9	68	83.0	1.7	2.6	0.9	0.0
Nawabshah	37.8	40.2	191.5	62	0.0	0.0	0.8	3.5	4.0
Noorpur thal	35.1	37.7	165.3	71	42.0	1.0	1.2	0.0	0.0
Okara	33.7	36.5	162.1	77	118.0	1.9	2.8	0.9	1.2
Padidan	37.4	39.0	183.9	69	0.0	0.0	1.2	0.6	0.8
Panjgur	33.1	34.5	***	32	0.0	0.0	0.0	4.0	7.6
Parachinar	16.0	16.5	***	71	44.0	5.4	5.6	3.4	3.8
Pasni	34.4	38.5	144.4	79	0.0	0.6	0.0	1.1	15.2
Pattan	30.7	***	128.3	90	51.0	2.2	1.6	0.0	0.4
Peshawar a/p	31.2	33.5	148.5	77	2.0	0.0	2.7	2.7	0.7
Quetta	28.7	30.0	***	18	0.0	0.0	0.0	0.0	2.8
Rahim yar khan	36.4	38.2	178.6	72	0.0	0.7	1.0	0.7	2.0
Rawalakot	23.0	25.0	86.4	80	140.0	4.7	2.2	0.0	1.6
Risalpur	33.0	33.5	***	63	25.0	0.0	0.8	0.9	1.6
Rohri	36.1	37.5	185.1	81	0.0	1.6	3.0	0.3	0.5
Sahiwal	33.2	35.5	156.5	72	54.0	2.1	2.2	0.0	0.4
Saidu sharif	27.3	30.0	113.6	0	36.0	6.0	2.3	4.0	5.0
Sialkot a/p	31.4	33.2	153.4	77	6.0	2.0	2.2	0.0	0.8
Sibbi	36.4	37.5	138.4	66	0.0	0.0	0.0	0.0	0.0
Skardu	21.0	23.3	67.2	59	12.2	4.3	5.7	0.0	1.8
Turbat	40.6	42.0	181.8	36	0.0	0.7	0.0	6.3	10.4
Zhob	30.8	31.5	158.4	28	0.0	0.0	0.0	4.3	7.4

***Data not available